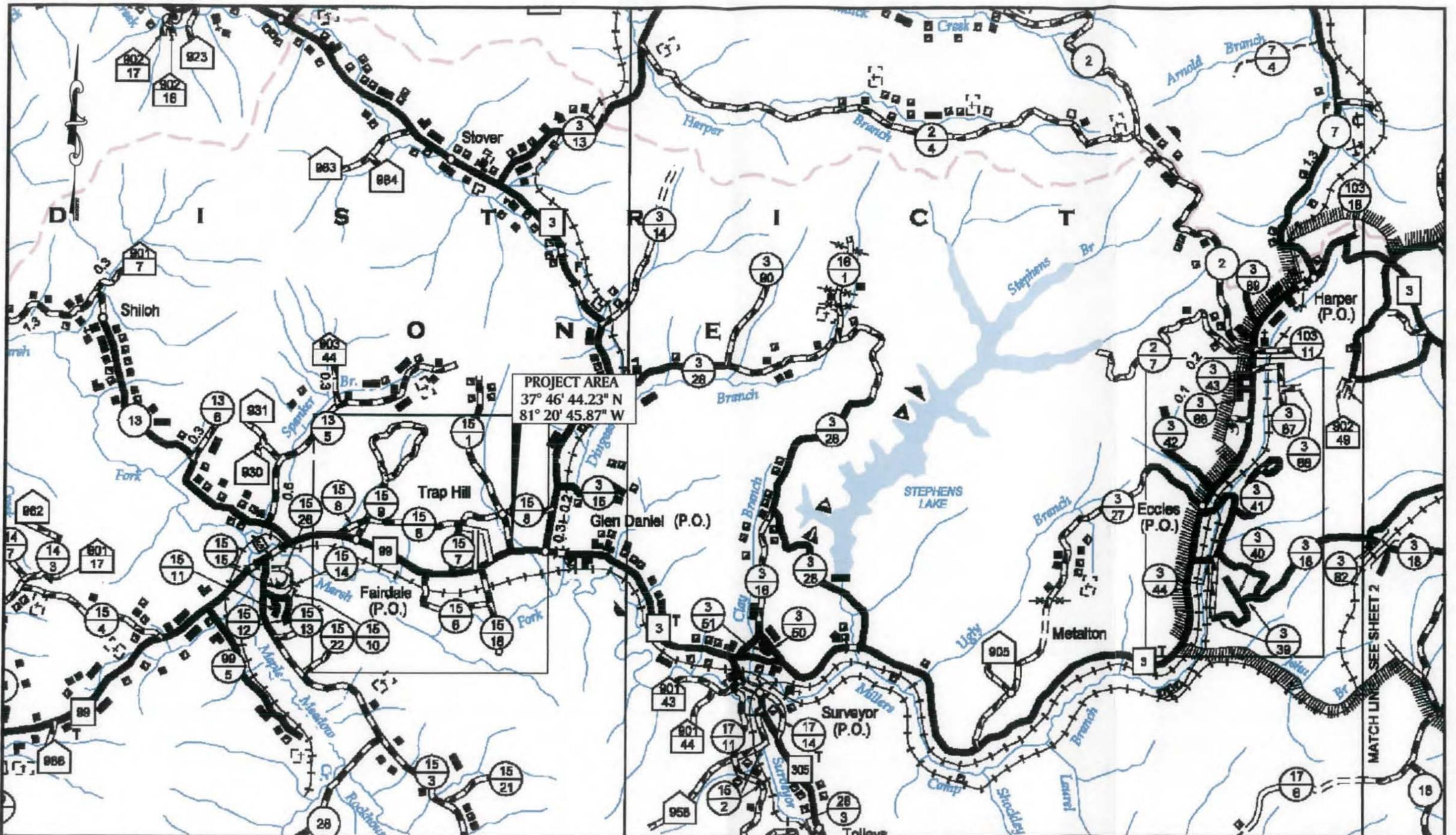


Appendix A

Exhibits



PROJECT AREA
 37° 46' 44.23" N
 81° 20' 45.87" W

MATCH LINE SEE SHEET 2

DUNN ENGINEERS, INC.
 400 SOUTH RUFFNER ROAD
 CHARLESTON, W.V. 25314

Scale: 1"=3000'

Eccles Quad
 Arnette Quad

Crab Orchard-MacArthur
 PUBLIC SERVICE DISTRICT
 RALEIGH COUNTY, WEST VIRGINIA

WASTEWATER
 COLLECTION SYSTEM
 ENVIRONMENTAL ASSESSMENT
 VICINITY MAP



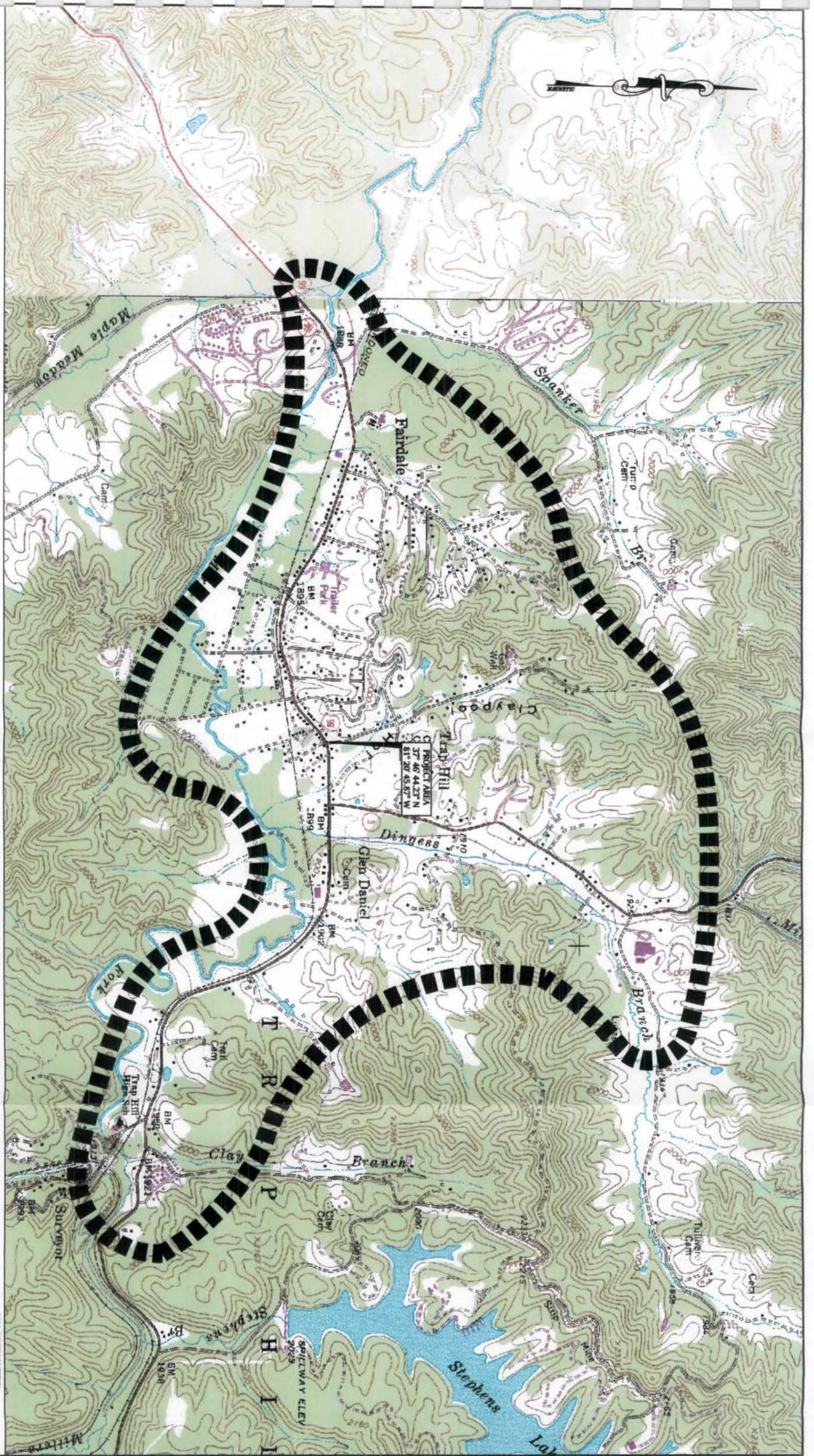
DUNN ENGINEERS, INC.
 400 SOUTH RUFFNER ROAD
 CHARLESTON, W.V. 25314

Scale: 1"=2000'

Eccles Quad
 Arnette Quad

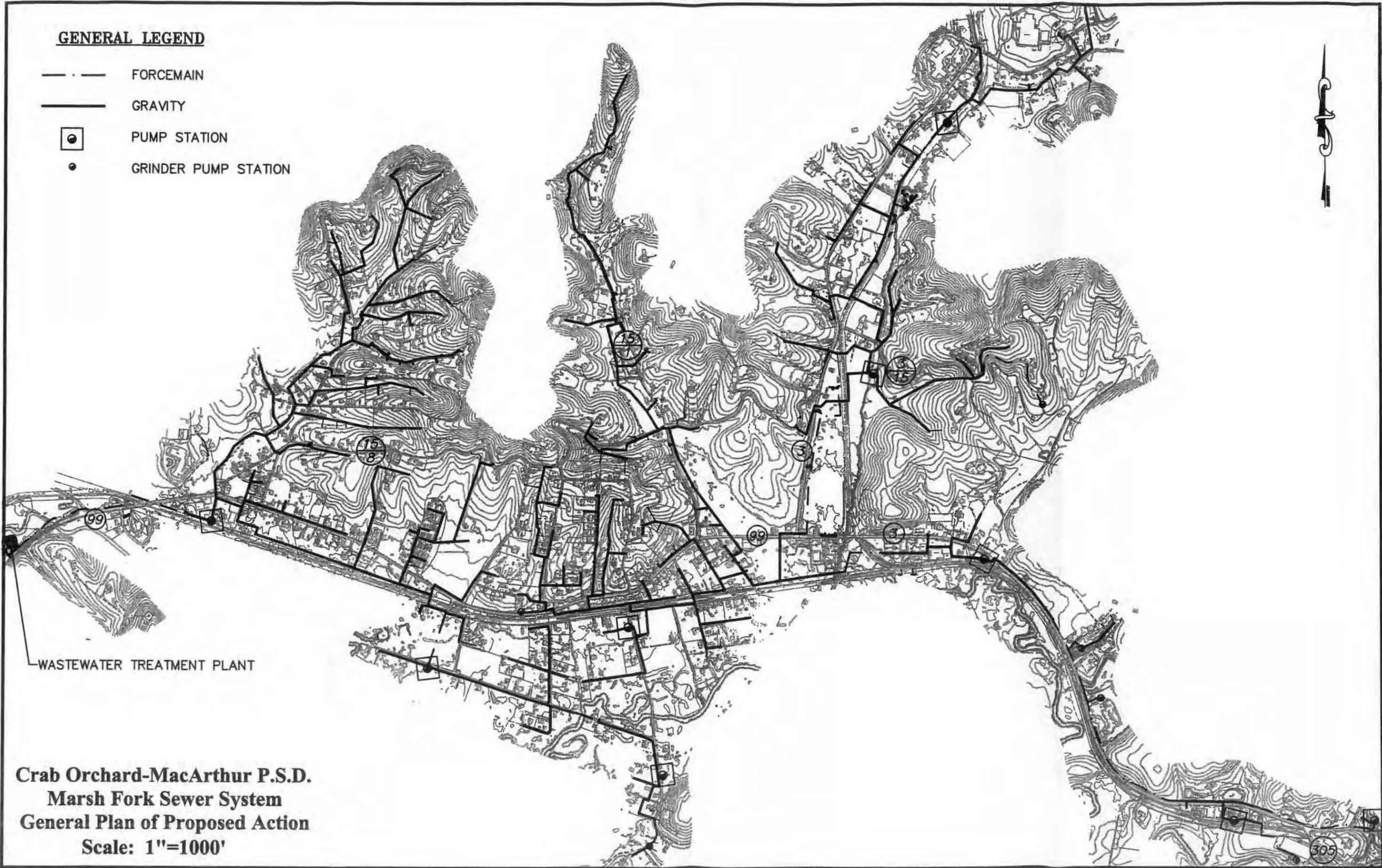
Crab Orchard-MacArthur
 PUBLIC SERVICE DISTRICT
 RALEIGH COUNTY, WEST VIRGINIA

WASTEWATER
 COLLECTION SYSTEM
 ENVIRONMENTAL ASSESSMENT
 PROJECT AREA OUTLINE



GENERAL LEGEND

- · — · — · FORCEMAIN
- GRAVITY
- ◻ ● PUMP STATION
- GRINDER PUMP STATION



**Crab Orchard-MacArthur P.S.D.
Marsh Fork Sewer System
General Plan of Proposed Action
Scale: 1"=1000'**

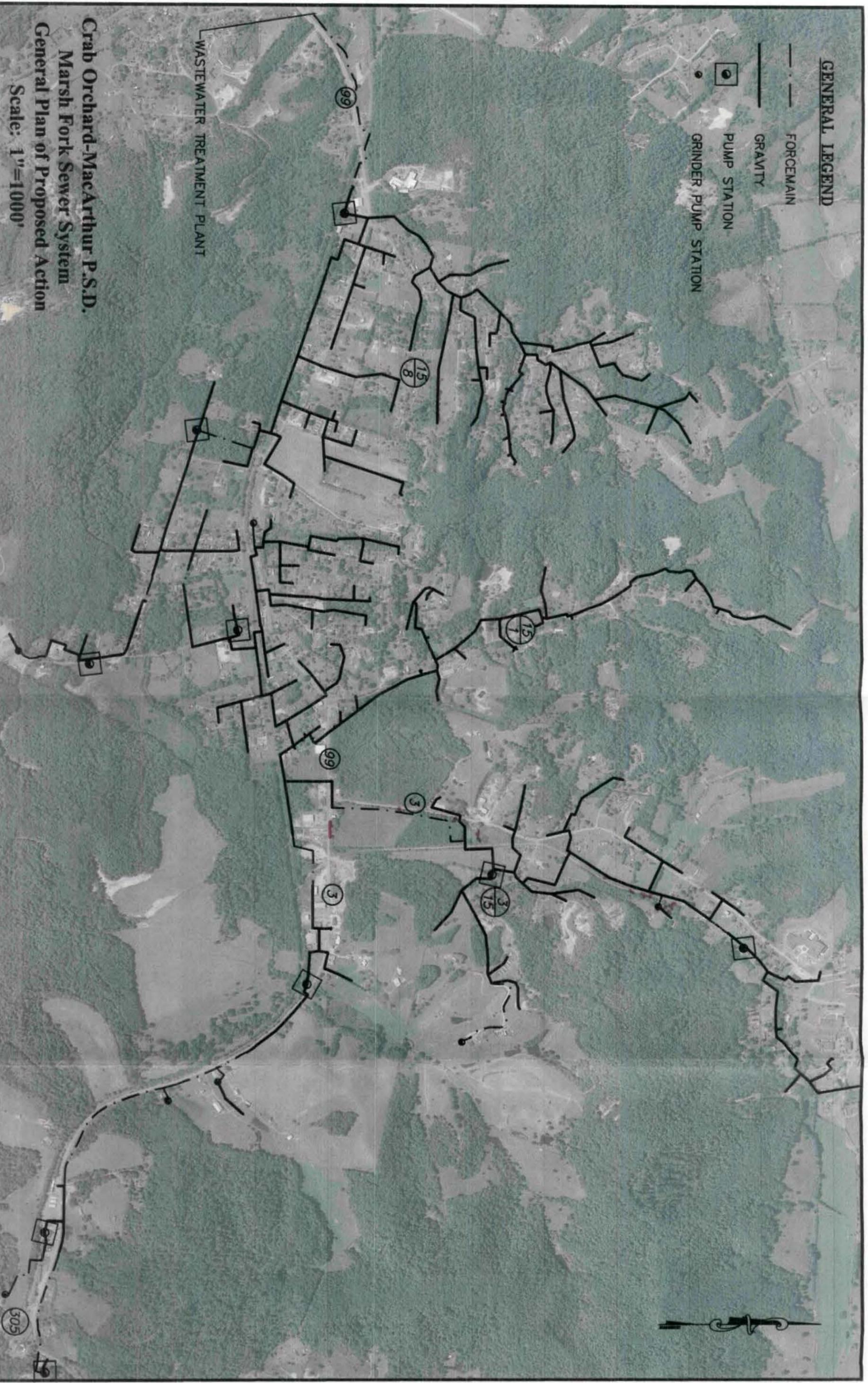
GENERAL LEGEND

--- FORCEMAIN

— GRAVITY

☐ PUMP STATION

● GRINDER PUMP STATION



Crab Orchard-MacArthur P.S.D.

Marsh Fork Sewer System

General Plan of Proposed Action

Scale: 1"=1000'

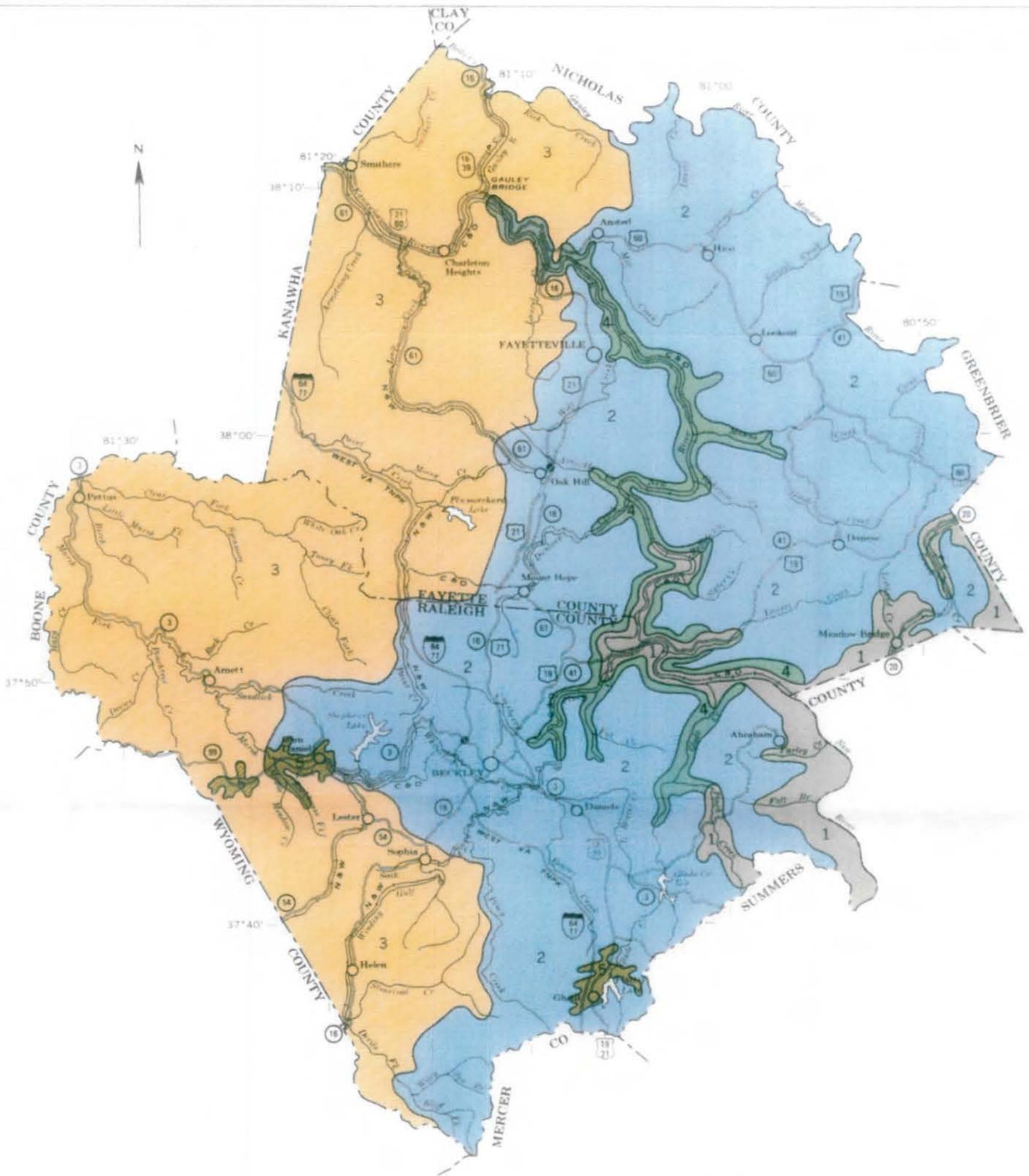


Geospatial Wetlands Data
U. S. Fish & Wildlife Service
National Wetlands Inventory

**Crab Orchard-MacArthur P.S.
Marsh Fork Sewer System
Project Wetland Areas
Scale: 1"=1000'**

-  Palustrine, Unconsolidated Bottom, Permanently Flooded
-  Palustrine, Forested Seasonally Flooded

Project Wetland Areas - U.S. Fish & Wildlife Service, National Wetlands Inventory, 1/15/2011 11:26:27 AM



U. S. DEPARTMENT OF AGRICULTURE
 SOIL CONSERVATION SERVICE
 WEST VIRGINIA AGRICULTURAL EXPERIMENT STATION
GENERAL SOIL MAP
 FAYETTE AND RALEIGH COUNTIES
 WEST VIRGINIA

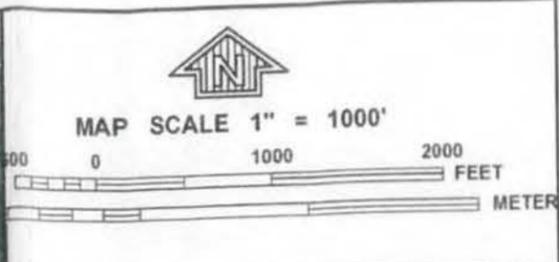
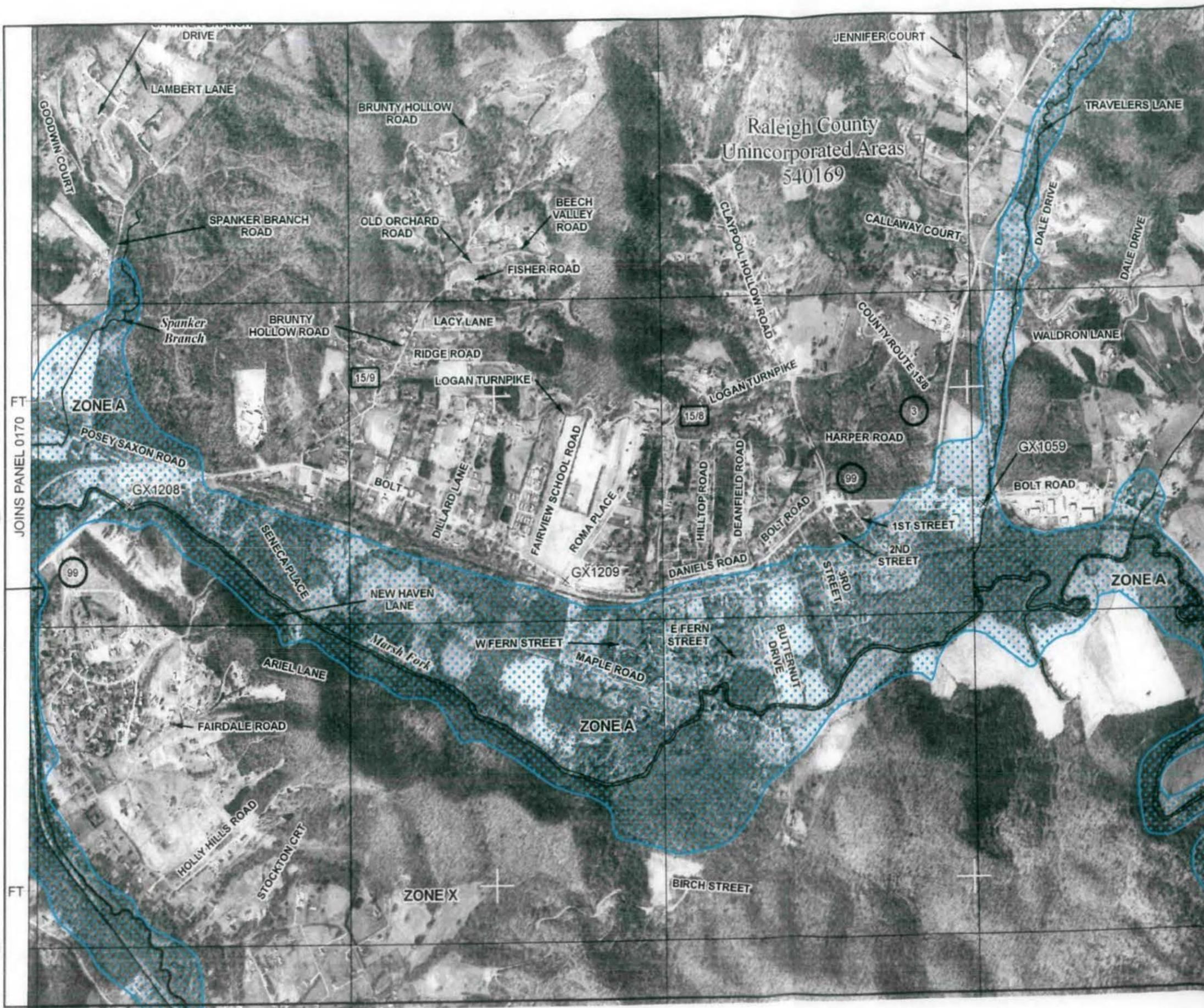
Scale 1:316,800
 0 1 2 3 4 5 Miles

SOIL ASSOCIATIONS *

- 1** Calvin-Gilpin association: Moderately deep, well-drained, medium-textured, mostly sloping to very steep soils on dissected uplands and mountains.
- 2** Dekalb-Gilpin-Ernest association: Moderately deep, well-drained, moderately coarse textured and medium-textured, mostly sloping to very steep soils on dissected uplands and deep, moderately well drained, mostly sloping or steep soils on foot slopes.
- 3** Muskingum-Shelcta association: Moderately deep, well-drained, medium-textured, mostly very steep soils on strongly dissected uplands and deep, well-drained, sloping to steep soils on foot slopes.
- 4** Steep rock land-Dekalb-Gilpin association: Rough broken sandstone cliffs and rock outcrop areas on uplands and moderately deep, well-drained, moderately coarse textured and medium-textured, very steep soils on uplands.
- 5** Atkins-Lickdale-Brinkerton association: Deep, poorly drained, medium-textured, nearly level soils on flood plains and deep, poorly drained and very poorly drained, nearly level to gently sloping soils on foot slopes.

* Texture terms refer to texture of the surface layer

Each area outlined on this map consists of more than one kind of soil. The map is thus meant for general planning rather than a basis for decisions on the use of specific tracts.



PANEL 0190E

NFIP

FIRM
FLOOD INSURANCE RATE MAP

**RALEIGH COUNTY,
WEST VIRGINIA
AND INCORPORATED AREAS**

PANEL 190 OF 454
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS	COMMUNITY	NUMBER	PANEL	SUFFIX
	RALEIGH COUNTY	540169	0190	E

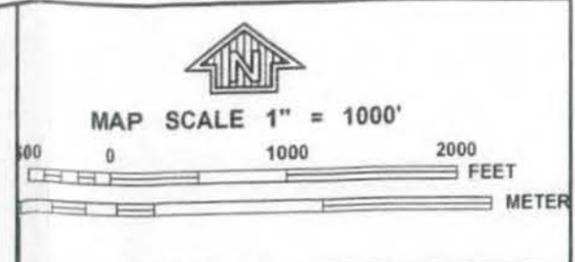
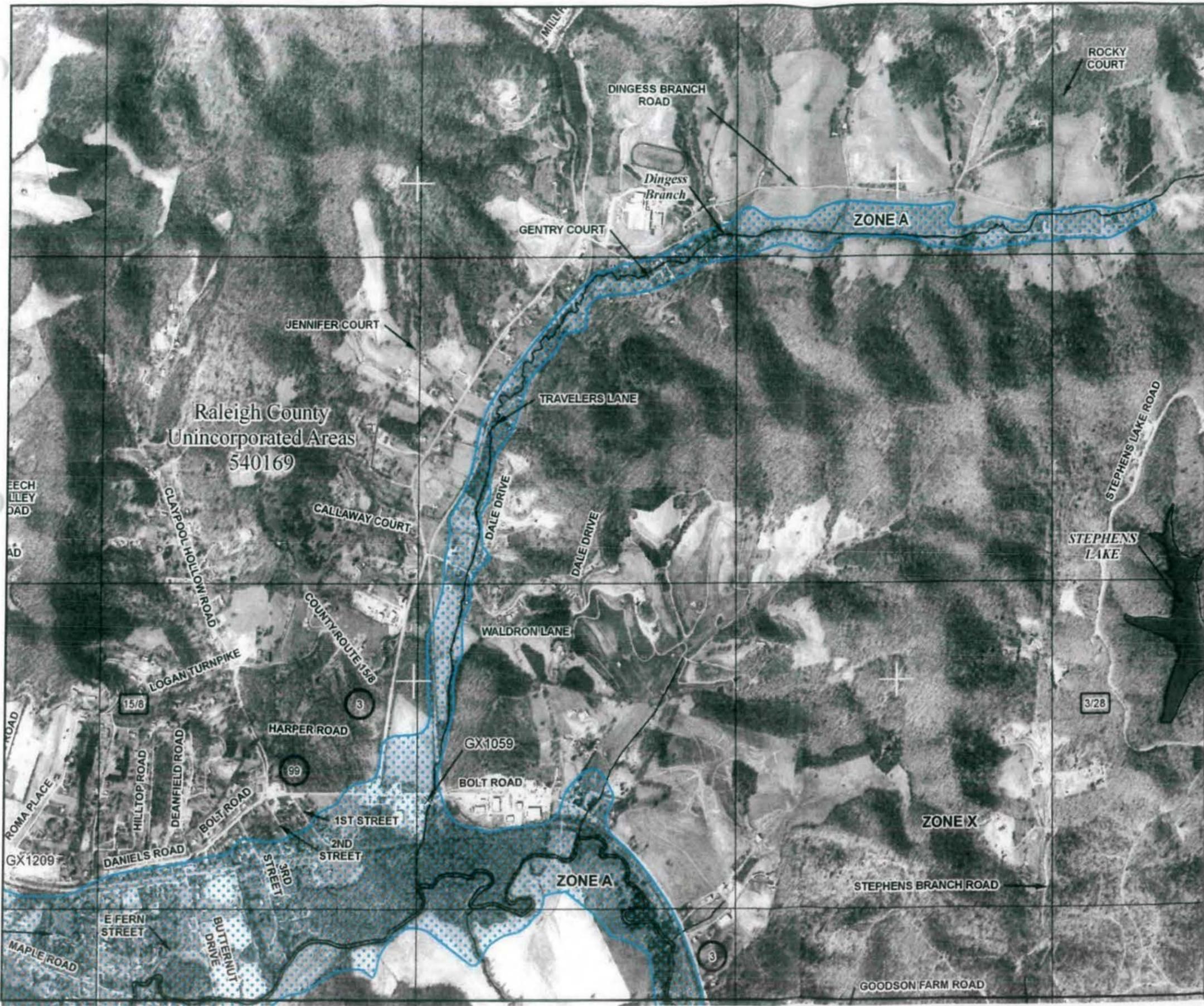
Notice to User: The Map Number shown below should be used when placing map orders. The Community Number shown above should be used on insurance applications for the subject community.

MAP NUMBER
54081C0190E

EFFECTIVE DATE
SEPTEMBER 29, 2006

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov



NFP PANEL 0190E

FIRM
FLOOD INSURANCE RATE MAP

**RALEIGH COUNTY,
WEST VIRGINIA
AND INCORPORATED AREAS**

PANEL 190 OF 454
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS

COMMUNITY	NUMBER	PANEL	SUFFIX
RALEIGH COUNTY	540103	0190	E

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

MAP NUMBER
54081C0190E

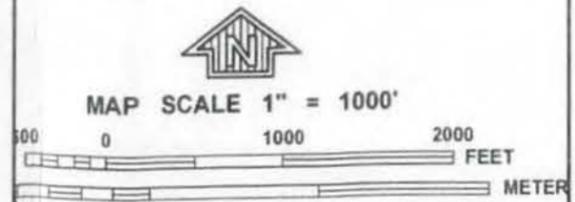
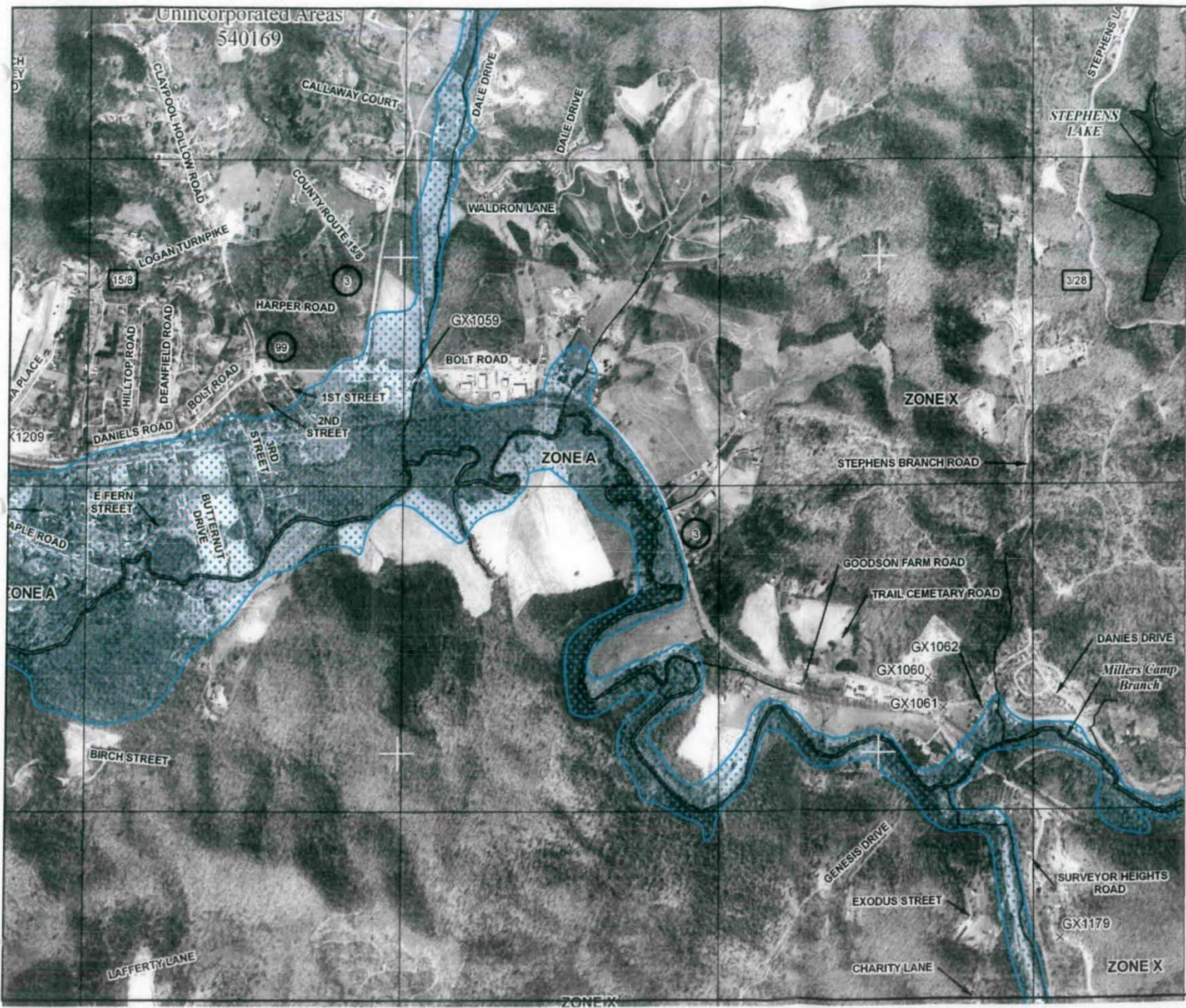
EFFECTIVE DATE
SEPTEMBER 29, 2006

Federal Emergency Management Agency

NATIONAL FLOOD INSURANCE PROGRAM

JOINS PANEL 0195

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov



PANEL 0190E

NFP

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

**RALEIGH COUNTY,
WEST VIRGINIA
AND INCORPORATED AREAS**

PANEL 190 OF 454
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS

COMMUNITY	NUMBER	PANEL	SUFFIX
RALEIGH COUNTY	540169	0190	E

Notes to User: The Map Number shown below should be used when placing map orders. The Community Number shown above should be used on insurance applications for the subject community.

**MAP NUMBER
54081C0190E**

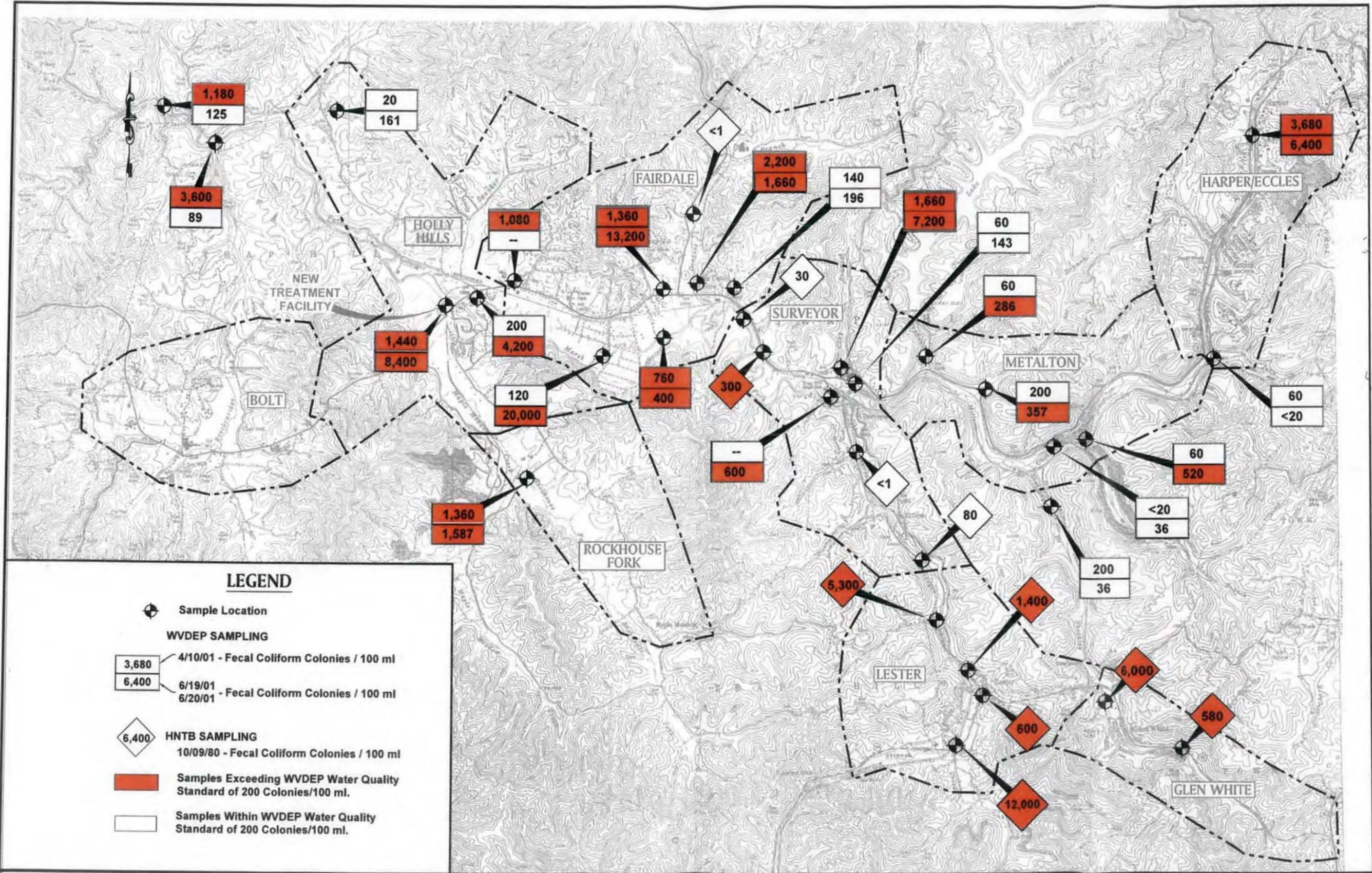
**EFFECTIVE DATE
SEPTEMBER 29, 2006**

Federal Emergency Management Agency

JOINS PANEL 0195

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

C:\land Projects\0102-CrabOrchard facility\fac09-display\facal.dwg, 3/11/2011 9:53:20 AM, 1:3620.65



DUNN ENGINEERS, INC. DRAWN BY: TF CHECKED BY: FLH
 701 VIRGINIA ST. WEST
 CHARLESTON, W.V. 25302
 SCALE: 1"=3600' DATE: December, 2001

Fecal Coliform Testing Results

CRAB ORCHARD-MacARTHUR P.S.D. MARSH FORK SEWER SYSTEM EXTENSION FACILITY PLAN

DRAWING 0102
 9

Appendix B
Agency Correspondence



RECEIVED

SEP 09 2011

DUNN ENGINEERS, INC.

DIVISION OF NATURAL RESOURCES

324 Fourth Avenue, Room 200
South Charleston WV 25303-1228
TDD (304) 558-1439
TDD 1-800-354-6087
Fax (304) 558-6048
Telephone (304) 558-3225

Earl Ray Tomblin
Governor

Frank Jezioro
Director

August 30, 2011

Division of Natural Resources
LICENSE AND RIGHT OF ENTRY
AMENDED SEPTEMBER 07, 2011

Re: P-11-IV/41-1148

Crab Orchard/McArthur Public Service District
c/o Dunn Engineers, Inc.
400 South Ruffner
Charleston, WV 25827-

Dear Sir or Madam:

The Division of Natural Resources hereby grants to you for a term of 25 years, from the date hereof, a License and Right of Entry to construct, replace, cover, repair, operate, maintain, use and remove one-and-a-half-inch (1 1/2"), two-inch (2"), three-inch (3"), four-inch (4"), six-inch (6"), and eight-inch (8") PVC and DIP pipelines in several locations along Clay Branch, Dingess Branch, an unnamed tributary of March Fork, and March Fork of the Coal River, Trap Hill District, Raleigh County, West Virginia, as shown located and highlighted in red on the map attached hereto as Exhibit A.

This License and Right of Entry is subject to the following terms and conditions:

1. No in stream work during the fish-spawning season (April 1-June 30).
2. Any stream bed disturbance should be restricted to the immediate area. In stream use of equipment should be kept to a minimum.
3. All shore areas disturbed by this operation must be reshaped, seeded and mulched immediately upon completion of work. The prompt establishment of vegetative cover will reduce future damage from high water levels.
4. Green concrete must not be put in the stream (highly toxic to aquatic life).
5. Amount of stream side vegetation disturbed should be kept to a minimum.
6. Best management practices should be followed; measures such as hay bales must be used to reduce downstream siltation.
7. Any plastic pipeline less than four-inch (4") in diameter shall be encased in a metal conduit.

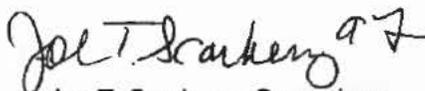
8. The State's issuance of this Right-of-Entry does not provide for the applicant to work outside the requested boundaries nor does the State assume any liability for the applicant's/landowner's construction activities. By accepting this Right-of-Entry, the applicant/landowner assumes liability for any/all damages caused by this activity to both upstream and downstream landowners.
9. Work should be completed as quickly as possible during low flows in designated work areas only.
10. **Applies to Marsh Fork only: Stream crossing must be directionally drilled. Any stream crossing that cannot be directionally drilled must be enhanced through natural stream channel design measures or riparian habitat improvements on site.**
11. A 404 Permit may be required from The U.S. Army Corps of Engineers. You may contact them at 304-399-5211 or 412-395-7152.

Guidelines of Best Management Practices for Sediment and Erosion Control as outlined by the Section of Water Resources, Division of Environmental Protection must be followed. Copies of those guidelines are available from the Section of Water Resources, Telephone No. (304) 926-0440.

The issuance of this License and Right of Entry by the Division of Natural Resources does not preclude the necessity to obtain a permit from the Corps of Engineers or any other state or federal permits which may be required by law, nor does this License and Right of Entry negate the need to comply with the West Virginia Water Pollution Control Act and/or the State Environmental Quality Board's administrative regulations, applicant is also responsible for determining if the proposed activity is located within an identified flood plain and it is the applicant's responsibility for contacting the local governmental agency in charge of that program and obtaining a flood plain development permit for it. This License and Right of Entry does not grant any rights or privileges, or permission to enter upon or to cross the property of any other person, nor is permission granted to remove any material that lies upon the property of any other persons. Work should be completed in as brief a period as possible and within one year from the date of this letter. In the event you fail or refuse to comply with any of the terms or conditions herein, this License and Right of Entry will be canceled and considered null and void and the Division will reject further applications.

There is no fee for this Right of Entry.

Sincerely,



Joe T. Scarberry, Supervisor
Office of Land and Streams

JTS:cs

pc: Stafford Consultants, Inc.
DNR Fish Biologist
Mr. Mike Zeto, Environmental Enforcement
DNR Conservation Officers

PUBLIC LAND CORPORATION
STREAM ACTIVITY APPLICATION

1. Name of Applicant: Crab Orchard-MacArthur Public Service District
(Landowner)

2. Date: August 17, 2011

3. Complete mailing address of applicant: P.O. Drawer 278, Crab Orchard, WV 25827

Telephone Number: (304) 252-0604

Fax Number: (304) 252-6220

E-Mail Address: comapsd@hotmail.com

4. Name, address, telephone number, and title of applicant's authorized agent (i.e. contractor employed by landowner):
Dunn Engineers, Inc. 400 South Ruffner Road Charleston, WV 25314 (304) 342-3436

Please if you want the approval sent to the agent

5. Describe the proposed activity, its purpose and intended use after completion, type of equipment to be used in the stream, amount of material to be dredged (if any), plan for disposing of dredged materials, length of stream/bank to be worked or type and size of structure to be placed in the stream (i.e. length and width of bridge, diameter and length of culvert). **One copy of a map (topographical or detailed, hand-drawn) showing exact location of the work site (enabling Officials to locate site) must accompany this application, and all other information that may be important to this application.**

The Crab Orchard-MacArthur Public Service District is planning to extend sewer service to customers in the Marsh Fork and Trap Hill areas of Raleigh County. Proposed stream crossings will be accomplished utilizing standard construction methods, such as a backhoe. Banks will be ripped and/or seeded upon completion. All construction will be open-cut unless otherwise indicated. Un-named tributaries may be considered ephemeral.

Due to existing topographic conditions, the minimum cover over the pipe could not be achieved in some locations. All pipe referenced is ductile iron gravity sewer pipe (denoted on the attached list by *).

See attached list of crossings.

(If additional space is required, continue on a separate sheet)

6. Please the proposed use:
Private _____ Public Commercial _____
(person use) (Government Agency) (Business)

7. Location where proposed activity exists or will occur:
Clay Branch, Dingess Branch, un-named tributaries of Marsh Fork, Marsh Fork of Coal River
Name of Water Way (if unnamed or unknown tributary, provide the stream that it flows into)
Raleigh Trap Hill Glen Daniel
County District (taxable) Closest City or Town

8. Date activity is proposed to commence: May 2013
Date activity is expected to be complete: May 2014

9. Is any portion of the activity for which authorization is sought now complete? Yes _____ No
(If the answer is "Yes", give reasons in Section 5 including month and year the activity was completed)

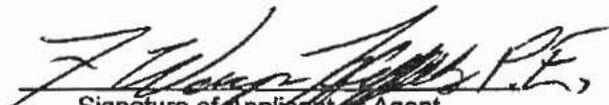
10. Below is a list of entities that may require permits. Please list all approvals or certifications required by other Government Agencies for the above-described activity:

Issuing agency: Corps of Engineers - (304) 529-5710 (412) 395-7155	Type of approval: <u>Authorization</u>
Identification No.: <u>N/A</u>	Date of approval: <u>Pending</u>
Issuing agency: County Commission Flood Plain Coordinator	Type of approval: <u>Authorization</u>
Identification No.: <u>N/A</u>	Date of approval: <u>01-27-11</u>
Issuing agency: City Government (If in City Limits the County isn't needed)	Type of approval: <u>N/A</u>
Identification No.: <u>N/A</u>	Date of approval: <u>N/A</u>

11. Has any agency denied approval for the activity described herein? Yes _____ No
(If "yes", explain in Section 5 and/or attach a copy of the denial.)

12. If activity is a pipeline construction (that is, gas, water, or sewer), give:
Material pipeline is made of: PVC, DIP
Size of pipeline: 1.5", 2", 3", 4", 6", 8"
Maximum pressure of the pipeline: 65 psi
Please provide the appropriate line number and if a Gathering or Well Line provide the A.P.I. Well Number.
Transmission: _____ Distribution: _____ Gathering: _____ Well Line: _____ A.P.I. Well Number: _____

13. Application is hereby made for authorization to conduct the activities described herein. I certify that I am familiar with the information in this application, and that to the best of my knowledge and belief such information is true, complete and accurate. I further certify that I possess the authority to undertake the proposed activities.


Signature of Applicant or Agent

Public Land Corporation
Capitol Complex, Building 3, Room 643
1900 Kanawha Boulevard, East
Charleston, West Virginia 25305-0661
Phone Number: 304-558-3225
Fax Number: 304-558-6048

**CRAB ORCHARD-MacARTHUR P.S.D.
MARSH FORK SEWER SYSTEM
STREAM CROSSINGS**

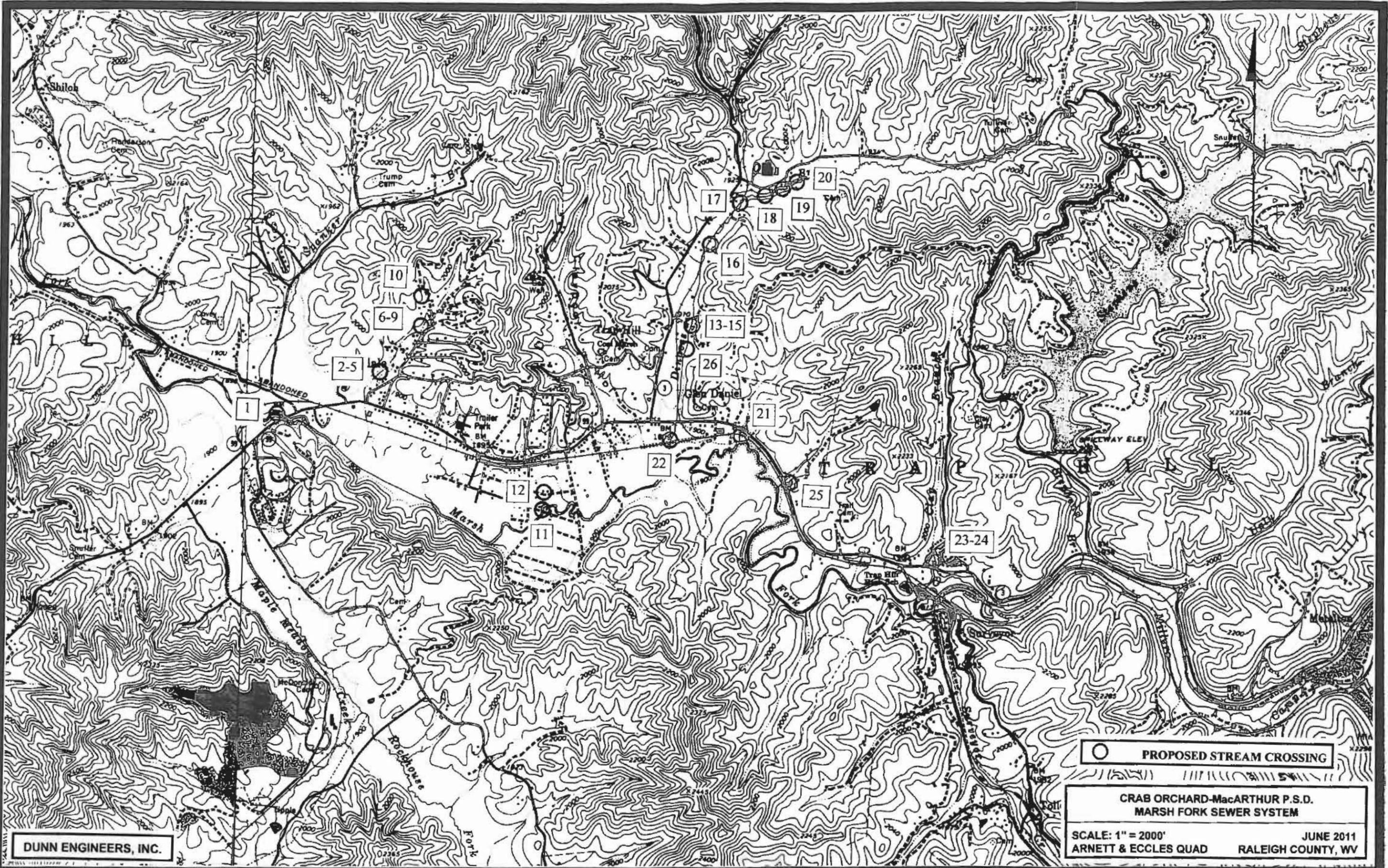
SITE	LOCATION	LENGTH, SIZE, MATERIAL	LATITUDE	LONGITUDE
1	Marsh Fork	35 LF 8" PVC Force Main	37° 46' 45" N	81° 22' 19" W
2-3	Unnamed Tributary of Marsh Fork	5 LF 8" DIP *	37° 46' 51" N	81° 21' 54" W
4	Unnamed Tributary of Marsh Fork	5 LF 8" DIP *	37° 46' 55" N	81° 21' 48" W
5	Unnamed Tributary of Marsh Fork	5 LF 8" DIP *	37° 46' 57" N	81° 21' 46" W
6	Unnamed Tributary of Marsh Fork	5 LF 8" DIP *	37° 47' 04" N	81° 21' 40" W
7	Unnamed Tributary of Marsh Fork	5 LF 8" DIP *	37° 47' 05" N	81° 21' 38" W
8	Unnamed Tributary of Marsh Fork	5 LF 8" DIP *	37° 47' 07" N	81° 21' 37" W
9	Unnamed Tributary of Marsh Fork	5 LF 8" DIP *	37° 47' 09" N	81° 21' 37" W
10	Unnamed Tributary of Marsh Fork	5 LF 8" DIP *	37° 47' 12" N	81° 21' 38" W
11	Marsh Fork	25 LF 2" PVC Force Main	37° 46' 24" N	81° 21' 02" W
12	Unnamed Tributary of Marsh Fork	15 LF 6" PVC Force Main	37° 46' 28" N	81° 21' 03" W
13	Dingess Branch	5 LF 8" DIP	37° 47' 05" N	81° 20' 20" W
14	Dingess Branch	5 LF 8" DIP *	37° 47' 07" N	81° 20' 19" W
15	Dingess Branch	5 LF 8" DIP	37° 47' 10" N	81° 20' 19" W
16	Dingess Branch	10 LF 1.5" PVC Force Main	37° 47' 22" N	81° 20' 16" W
17	Dingess Branch	10 LF 8" PVC	37° 47' 34" N	81° 20' 05" W
18	Dingess Branch	10 LF 6" DIP *	37° 47' 36" N	81° 19' 58" W
19	Dingess Branch	20 LF 8" DIP *	37° 47' 37" N	81° 19' 53" W
20	Dingess Branch	15 LF 6" DIP *	37° 47' 38" N	81° 19' 52" W

* 1' - 2.5 Cover Over Pipe

**CRAB ORCHARD-MacARTHUR P.S.D.
MARSH FORK SEWER SYSTEM
STREAM CROSSINGS
Page 2**

SITE	LOCATION	LENGTH, SIZE, MATERIAL	LATITUDE	LONGITUDE
21	Unnamed Tributary of Marsh Fork	15 LF 8" DIP & 4" PVC Force Main	37° 46' 42" N	81° 20' 04" W
22	Dingess Branch	10 LF 4" PVC Force Main	37° 46' 40" N	81° 20' 25" W
23-24	Clay Branch	10 LF 3" PVC Force Main, 6" DIP	37° 46' 11" N	81° 19' 07" W
25	Unnamed Tributary of Marsh Fork	135 LF 3" PVC Force Main (directional drill)	37° 46' 31" N	81° 19' 52" W
26	Dingess Branch	10 LF 8" DIP & 4" PVC Force Main	37° 47' 02" N	81° 20' 20" W

* 1' - 2.5 Cover Over Pipe



DUNN ENGINEERS, INC.

○ PROPOSED STREAM CROSSING

CRAB ORCHARD-MacARTHUR P.S.D.
MARSH FORK SEWER SYSTEM
SCALE: 1" = 2000'
ARNETT & ECCLES QUAD JUNE 2011
RALEIGH COUNTY, WV

County Commission of Raleigh County



P O BOX 2518
116 1/2 NORTH HEBER STREET
BECKLEY, WEST VIRGINIA 25802-2518

January 27, 2011

RECEIVED

JAN 28 2011

DUNN ENGINEERS, INC.

Mr. Edward G. Garbett II
Dunn Engineers, Inc.
400 South Ruffner Road
Charleston, WV 25314

RE: C.O.-MacArthur PSD Marsh Fork Sewer System

Dear Mr. Garbett:

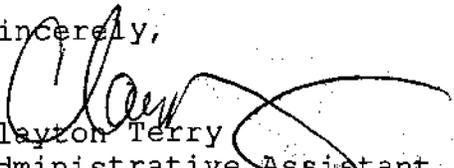
Please be advised that any section of the system to be constructed shall not increase the elevation of the 100-year flood more than one (1) foot at any point.

In reviewing your proposed plans it appears the project will not have any impact as to flooding on surrounding properties or does it appear any equipment or components are located below the flood elevation.

If your plans for the construction would change to have an impact upon the waterways which may increase flooding or any structures or equipment would be located in the flood zone would require additional review.

If you have any questions or comments, please do not hesitate to contact me.

Sincerely,


Clayton Terry
Administrative Assistant



DUNN ENGINEERS, INC.

January 19, 2011

FILE COPY

Mr. Clayton Terry, Flood Zone Coordinator
Raleigh County Commission
116-1/2 North Heber
Beckley, WV 25801

**RE: Crab Orchard-MacArthur PSD
Marsh Fork Sewer System**

Dear Mr. Terry:

The Crab Orchard-MacArthur Public Service District is planning to extend their sanitary sewer system to Surveyor, Glen Daniel and Fairdale. Per our phone conversation yesterday, we respectfully request your review and approval on above-ground structures in regards to flood elevations.

Enclosed for your use please find:

- Flood Elevation Calculations
- General Layout, Typical Duplex and Grinder Pump Station Plan & Sections
- Pump Station Site Plans

Should you have any questions, please do not hesitate to contact our office. Your assistance is greatly appreciated.

Sincerely,

DUNN ENGINEERS, INC.

Edward G. Garbett II

EG:sz

Enclosures



United States Department of the Interior

FISH AND WILDLIFE SERVICE



West Virginia Field Office
694 Beverly Pike
Elkins, West Virginia 26241

September 14, 2010

RECEIVED

SEP 16 2010

DUNN ENGINEERS, INC.

Mr. Edward G. Garbett, II
Dunn Engineers, Inc.
400 South Ruffner Road
Charleston, West Virginia 25314

Re: Crab Orchard-MacArthur P.S.D., Marsh Fork Sewer System, Raleigh County, WV

Dear Mr. Garbett:

This responds to your letter dated August 24, 2010, regarding the proposed Crab Orchard-MacArthur Public Sewer District, Marsh Fork Sewer System located in Raleigh County, West Virginia. These comments are provided pursuant to the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*) (ESA).

The project is located within the known range of Virginia spiraea (*Spiraea virginiana*), a Federally-threatened plant species. In order to determine if the project would affect this species, a botanical survey was conducted in the vicinity of the project by Elizabeth Byers in June 2009. Virginia spiraea was found at fourteen locations within the project area, including ten previously unknown locations and four locations that had been previously documented. Original project designs were compared against Virginia spiraea locations and modifications were made to avoid impacting the locations. Revised project designs showing the location of the project disturbance areas relative to the Virginia spiraea sites were provided to this office on August 24, 2010.

The Service concludes that construction of the revised project design may affect, but is not likely to adversely affect any Federally-listed endangered and threatened species. Therefore, no biological assessment or further section 7 consultation under the ESA is required with the Service. Should project plans change or amendments be proposed such as additional disturbance, fill, or staging areas are used that are not shown on the map, or if additional information on listed and proposed species becomes available, this determination may be reconsidered.

If you have any questions regarding this letter, please contact Barbara Douglas of my staff, at (304) 636-6586, Ext. 19, or at the letterhead address.

Sincerely,

Deborah Carter
Field Supervisor



DUNN ENGINEERS, INC.

FILE COPY

August 24, 2010

Ms. Barbara Douglas
U.S. Fish and Wildlife Service
P.O. Box 1278
Elkins, WV 26241

**RE: Crab Orchard-MacArthur P.S.D.
Marsh Fork Sewer System**

Dear Ms. Douglas:

Per our conversation today, enclosed for your use is one 1" = 200' drawing showing all Virginia Spiraea sites within the project area. Proposed facilities do not encroach upon any location of the subject species as detailed in the survey.

Should you have any questions, please do not hesitate to contact our office. Your assistance is greatly appreciated.

Sincerely,

DUNN ENGINEERS, INC.

Edward G. Garbett II

EG:sz

Enclosure



DUNN ENGINEERS, INC.

August 11, 2010

FILE COPY

Mr. Thomas R. Chapman
Field Supervisor
U.S. Fish and Wildlife Service
P.O. Box 1278
Elkins, WV 26241

**RE: Crab Orchard-MacArthur P.S.D.
Marsh Fork Sewer System**

Dear Mr. Chapman:

The Crab Orchard-MacArthur Public Service District, Raleigh County, is planning to extend their sanitary sewer system, as outlined on the attached 1" = 2000' U.S.G.S. topographic map.

Dunn Engineers, Inc. requests that the U.S. Fish and Wildlife Service retrieve and compile information pertaining to federally listed or proposed threatened and/or endangered species for the indicated area.

Enclosed for your use, please find one (1) copy of "Survey for Virginia Spiraea at the proposed Marsh Fork Sewer System" as conducted by Appalachian Ecology in July 2009. Proposed facilities do not encroach upon any location of the subject species as detailed in the survey.

Should you have any questions, please do not hesitate to contact our office. Your assistance is greatly appreciated.

Sincerely,

DUNN ENGINEERS, INC.

Edward G. Garbett II

EG:sz

Enclosures



DIVISION OF NATURAL RESOURCES

Wildlife Resources Section

Operations Center

P.O. Box 67

Elkins, West Virginia 26241-3235

Telephone (304) 637-0245

Fax (304) 637-0250

October 16, 2008

Joe Manchin III
Governor

Frank Jezioro
Director

Mr. Edward G. Garbett II
Dunn Engineers, Inc.
400 South Ruffner Road
Charleston, WV 25314

Dear Mr. Garbett:

We have reviewed our files for information on rare, threatened and endangered (RTE) species and sensitive habitats for the area of the proposed Marsh Fork sewer system project in Raleigh County, WV.

We do have occurrences of the threatened shrub Virginia spiraea (*Spiraea virginiana*) from within the within the project boundary. This plant has been documented from along the north side of Route 3 near the Glen Daniel Post Office, and on the east side of Route 3 north of Glen Daniel. The U.S. Fish and Wildlife Service will likely require surveys for this species prior to any disturbance. Please contact Ms. Barbara Douglas of the Service for any necessary coordination (304/636-6586).

The information provided above is the product of a database search and retrieval. This information does not satisfy other consultation or permitting requirements for disturbances to the natural resources of the state. If your project will directly impact the waters of the state or cause a "take" of fish and/or wildlife, consultation may be required. Requests for WV wildlife agency consultation should be directed to Mr. Roger Anderson at the address given in the letterhead or by email at rogeranderson@wvdnr.gov. Database requests for information on RTE species and sensitive habitats should still be directed to me.

Thank you for your inquiry, and should you have any questions please feel free to contact me at the above number, extension 2048. Enclosed please find an invoice.

Sincerely,

A handwritten signature in black ink, appearing to read "Barbara Sargent".

Barbara Sargent
Environmental Resources Specialist
Natural Heritage Program

cc: Barbara Douglas - USFWS

enclosure

RECEIVED

OCT 21 2008



DUNN ENGINEERS, INC.

October 7, 2008

Ms. Barbara Sargent
Environmental Resource Specialist
Natural Heritage Program
Wildlife Resources Section
WV Division of Natural Resources
P.O. Box 67
Elkins, WV 26241

**RE: Crab Orchard-MacArthur P.S.D.
Marsh Fork Sewer System**

Dear Ms. Sargent:

The Crab Orchard-MacArthur Public Service District, Raleigh County, is planning to extend their sanitary sewer system as outlined on the attached 1" = 2000' U.S.G.S. topographic map.

The proposed lines are expected to be constructed on West Virginia Department of Highways and private rights of way. These rights of way will be obtained as part of this project.

Dunn Engineers, Inc. requests that the Division of Natural Resources retrieve and compile information pertaining to rare/threatened/endangered species and wetlands for the indicated area.

Should you have any questions or require additional information, please contact our office. Your assistance is greatly appreciated.

Sincerely,

DUNN ENGINEERS, INC.

Edward G. Garbett II

EG:sz

Enclosure



DEPARTMENT OF THE ARMY
HUNTINGTON DISTRICT, CORPS OF ENGINEERS
502 EIGHTH STREET
HUNTINGTON, WEST VIRGINIA 25701-2070

REPLY TO
ATTENTION OF

Operations and Readiness Division
Regulatory Branch
South/Transportation Section
Crab Orchard-MacArthur P.S.D. – Marsh Fork Sewer System

Edward G. Garbett, II
Dunn Engineers, Inc.
400 South Ruffner Road
Charleston, West Virginia 25314

Dear Mr. Garbett:

I refer to preliminary information received in this office, regarding a proposed project which may result in impacts to jurisdictional waters of the United States (U.S.).

Under Section 404, the United States Army Corps of Engineers (USACE) regulates the discharge of dredged and/or fill material into waters of the United States (U.S.), including wetlands. Our responsibility under Section 10 is to regulate any work in, or affecting, navigable waters of the U.S.

Based on the preliminary information provided, and other information available to us, it appears the project has potential to involve activities subject to the requirements of Section 10 and/or Section 404. Therefore, the proposed project may require Department of the Army (DA) authorization.

To conclusively determine if the proposed project requires authorization from this office additional information is required. Typically a DA permit application form (DA form 4345) completed in accordance with instructions, including required drawings, would provide the information required to further evaluate the proposed project. For each impact to jurisdictional waters of the U.S., as defined in 33CFR328, we require details regarding the proposed impact, including the amount and type of any material to be discharged as a result of the activity. It is recommended the geographic coordinates be indicated by NAD83 datum.

Upon receipt of a completed application package as described above, this project will be evaluated further and you will be advised of the recommended form of authorization and any additional requirements. If you have any questions, please contact the South/Transportation Regulatory Section at (304) 399-5710.

Sincerely,

A handwritten signature in black ink that reads "Noah Kennedy".

Noah Kennedy
Project Manager
South/Transportation Section



DUNN ENGINEERS, INC.

October 7, 2008

Ms. Luanne Conley
Huntington District
U.S. Army Corps of Engineers
502 Eighth Street
Huntington, WV 25701

**Re: Crab Orchard-MacArthur P.S.D.
Marsh Fork Sewer System**

Dear Ms. Conley:

The Crab Orchard-MacArthur Public Service District, Raleigh County, is planning to extend their sanitary sewer system as outlined on the attached 1" = 2000' U.S.G.S. topographic map.

The proposed lines are expected to be constructed on West Virginia Division of Highways and private rights of way. These rights of way will be obtained as part of this project.

Dunn Engineers, Inc. requests that the U.S. Army Corps of Engineers review the project area to determine if any wetlands, etc. will be affected and provide guidance as to whether any specific permits will be required.

Should you have any questions or require additional information, please contact our office. Your assistance is greatly appreciated.

Sincerely,

DUNN ENGINEERS, INC.

Edward G. Garbett, II

EG:sz

Enclosure



The Culture Center
1900 Kanawha Blvd., E.
Charleston, WV 25305-0300

Randall Reid-Smith, Commissioner

Phone 304.558.0220 • www.wvculture.org
Fax 304.558.2779 • TDD 304.558.3562

EO/AA Employer

December 9, 2010

Mr. Edward G. Garbett, II
Dunn Engineers
400 South Ruffner Road
Charleston, WV 25314

RE: Marsh Fork Sewer Line Extension
Crab Orchard - MacArthur PSD
FR#: 08-170-RG-3

Dear Mr. Garbett:

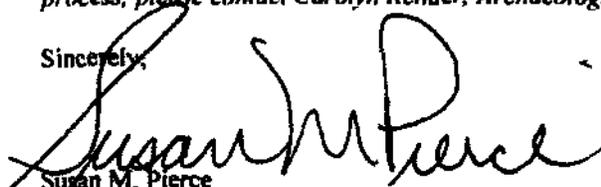
We have reviewed the technical report titled, *A Phase I Archaeological Literature Review and Reconnaissance Survey for the Proposed Marsh Fork Sewer Line Extension; Crab Orchard-MacArthur Public Service District, near the Town of Glen Daniel, Raleigh County, West Virginia*, that was prepared by Archaeological Consultants of the Midwest. Incorporated for the above referenced project. As required by Section 106 of the National Historic Preservation Act, as amended, and its implementing regulations, 36 CFR 800: "Protection of Historic Properties," we submit our comments.

The report addresses our concerns regarding the presence of cultural resources within the proposed project area. Systematic survey conducted within the project area identified one new archaeological site, 46Rg303. According to the report, site 46Rg303 is a low-density lithic scatter. It is our understanding that the artifact assemblage is comprised of a temporally non-diagnostic flake scrapper, four flakes, and one piece of shatter. The report indicates that all of the artifacts were recovered from the Ap soil horizon and that no evidence of buried in situ cultural features or midden was noted during the excavations. The consultant concludes that the portion of site 46Rg303 situated within the project area does not have the potential to provide significant information regarding West Virginia's prehistory. We concur with this conclusion and recommend that no further archaeological investigations are necessary. In our opinion, there are no archaeological sites located within the proposed project area that are eligible for or listed in the National Register of Historic Places.

Finally, please be aware that the boundaries of site 46Rg303 may extend beyond the current project area to the north and south. These areas have not been investigated. If areas adjacent to the proposed project area are incorporated in the future, please notify this office.

We appreciate the opportunity to be of service. *If you have questions regarding our comments or the Section 106 process, please contact Carolyn Kender, Archaeologist, at (304) 558-0240.*

Sincerely,



Susan M. Pierce
Deputy State Historic Preservation Officer

SMP/CMK



The Culture Center
1900 Kanawha Blvd., E.
Charleston, WV 25305-0300

Randall Reid-Smith, Commissioner

Phone 304.558.0220 • www.wvculture.org
Fax 304.558.2779 • TDD 304.558.3562
FICOM Employer

September 13, 2010

Mr. Edward G. Garbett, II
Dunn Engineers, Inc.
400 South Ruffner Road
Charleston, WV 25314

RE: Marsh Fork Sewer Line Extension; Crab Orchard-MacArthur PSD
FR#: 08-170-RG-2

Dear Mr. Garbett:

We have reviewed the above referenced project to determine potential effects to cultural resources. As required by Section 106 of the National Historic Preservation Act, as amended, and its implementing regulations, 36 CFR 800: "Protection of Historic Properties," we submit our comments.

Architectural Resources:

Submitted information states that there are no buildings and/or structures 50 years or older that will be within the line-of-sight of the proposed project; therefore, it is our opinion that there are no architectural resources eligible for or included in the National Register of Historic Places that will be impacted by this project. No further consultation regarding architectural resources is necessary.

Archaeological Resources:

While our files do not document any known archaeological site within the proposed project area, there are seven prehistoric sites within a one and one-half mile radius. According to project mapping and submitted information, there are areas where the proposed construction activities will occur outside of existing road rights-of-way and/or previously disturbed areas. Portions of the project area are situated within the floodplain/ terrace of Marsh Fork, Dingess Run, and several other unnamed drainages that flow into Marsh Fork. Terrain which is considered by our office to have a moderate to high potential for archaeological deposits. As a result, we have concerns that there may be unrecorded archaeological deposits within the proposed project area. We, therefore, request that a Phase I archaeological survey be conducted on all areas where proposed ground disturbing activities are scheduled to occur outside of existing road rights-of-way and/or previously disturbed areas. We will provide further comment upon receipt of the resulting technical report.

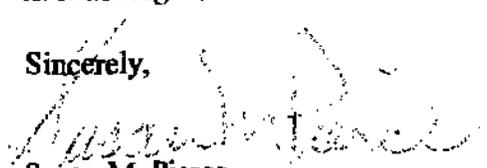
Please be aware that the archaeologists supervising all phases of the archaeological investigation, including the person(s) who will be in the field on a daily basis, must meet the Secretary of the Interior's Professional Qualification Standards as outlined in 36CFR61 (see enclosure). Resumes of all qualified personnel should be requested when seeking bids. If you need help in determining

September 13, 2010
Mr. Garbett
FR#: 08-170-RG-2
Page 2

whether an individual is qualified, please contact the staff in the West Virginia State Historic Preservation Office. Resumes of all qualified personnel must be appended to the back of the report documenting the results of the investigations. Failure to do so will result in the report being rejected.

We appreciate the opportunity to be of service. *If you have questions regarding our comments or the Section 106 process, please contact Shirley Stewart Burns, Structural Historian, or Carolyn Kender, Archaeologist, in the Historic Preservation Office at (304) 558-0240.*

Sincerely,



Susan M. Pierce
Deputy State Historic Preservation Officer

SMP/SSB/CMK

Enclosure



DUNN ENGINEERS, INC.

August 11, 2010

FILE COPY

Ms. Susan M. Pierce
Deputy State Historic Preservation Officer
for Resource Protection
West Virginia Division of Culture & History
1900 Kanawha Boulevard, East
Charleston, WV 25305-0300

**RE: Crab Orchard-MacArthur P.S.D.
Marsh Fork Sewer Line Extension
FR# 08-170-RG-1**

Dear Ms. Pierce:

Plans for the aforementioned project are nearly complete (to include information requested in your letter dated November 6, 2008).

Regarding architectural resources, we have determined that there are no buildings or structures, 50 years or older, within the view shed of any proposed above-ground structures associated with the project.

Regarding archaeological resources, we have enclosed an overall project layout with all proposed facilities shown. These facilities include location of the existing wastewater treatment plant, proposed pump stations, and lines. Also shown are areas where work will occur outside of previously disturbed areas, creek crossings, etc. with corresponding photographs.

Attached, as requested, please find the following:

- 1" = 500' scale general layouts (both contracts) with photo index
- Typical pump station photographs
- Photo logs and photos
- Site plan of wastewater treatment plant improvements
- Photos of existing wastewater treatment plant

Should you have any questions, please do not hesitate to contact our office.

Sincerely,

DUNN ENGINEERS, INC.

Edward G. Garbett II

EG:sz

Enclosures

400 SOUTH RUFFNER ROAD • CHARLESTON, WEST VIRGINIA 25314 • TEL (304) 342-3436 • FAX (304) 342-7823
•EMAIL: dunneng@aol.com•



**WEST VIRGINIA
DIVISION OF
CULTURE & HISTORY**

The Cultural Center
1900 Kanawha Blvd., E.
Charleston, WV
25305-0300

Phone 304.558.0220
Fax 304.558.2779
TDD 304.558.3562
www.wvculture.org

EEO/AA Employer

November 6, 2008

RECEIVED

NOV 10 2008

DUNN ENGINEERS, INC.

Mr. Edward G. Garbett, II
Dunn Engineers, Inc.
400 South Ruffner Road
Charleston, WV 25314

RE: Marsh Fork Sewer Line Extension; Crab Orchard-MacArthur PSD
FR#: 08-170-RG-1

Dear Mr. Garbett:

We have reviewed the above referenced project to determine potential effects to cultural resources. As required by Section 106 of the National Historic Preservation Act, as amended, and its implementing regulations, 36 CFR 800: "Protection of Historic Properties," we submit our comments.

Architectural Resources:

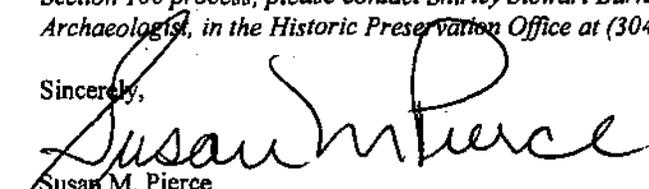
A telephone conversation on November 6, 2008, between yourself and Shirley Stewart Burns of my staff revealed that this project is still in its planning stage. Additionally, you indicated that the pump stations will be 6' tall and 5' wide, but you are not sure where they will be placed. You will forward that information as it becomes available along with photographs of any buildings or structures 50 years or older within the line-of-sight of these above ground components of the project. Plans also include the expansion of an existing treatment plant. It is our understanding that you will forward photographs regarding this aspect of the project as well. We will provide further comments upon receipt of the requested information.

Archaeological Resources:

Our records located no known archaeological sites within the proposed project area and three known sites just to the east of the project area in the vicinity of Surveyor. However, our records also indicate that the project area has not been previously surveyed. There is one recorded cemetery, 46Rg279, in the project area along Dingess Branch. In order to better comment on potential effects to archaeological resources, we will require some additional information. Please clarify whether the project will involve the installation of new pump stations or just rehabilitation of existing facilities. If new pump stations scheduled for installation, please mark their locations on a USGS topographic quadrangle map and specify whether they will be installed within previously disturbed areas. It is our understanding that a new wastewater treatment plant will be constructed in the Fairdale area to replace several existing wastewater package plants. Please mark the location of this new facility on a USGS topographic quadrangle map and elaborate on the types of equipment that will be installed (e.g., aeration basins, clarifier tanks, sewage lagoons, etc.). Please provide photographs of the following: all areas where line installation work will occur outside of existing road rights-of-way and/or previously disturbed areas including new water crossing areas; the proposed treatment plant site; and any proposed pump station site. We will provide further comment upon receipt of the requested information.

We appreciate the opportunity to be of service. *If you have questions regarding our comments or the Section 106 process, please contact Shirley Stewart Burns, Historian, or Carolyn Kender, Archaeologist, in the Historic Preservation Office at (304) 558-0240.*

Sincerely,


Susan M. Pierce
Deputy State Historic Preservation Officer

SMP/SSB/CMK



DUNN ENGINEERS, INC.

October 7, 2008

Ms. Susan M. Pierce
Deputy State Historic Preservation Officer
for Resource Protection
West Virginia Division of Culture & History
1900 Kanawha Boulevard, East
Charleston, WV 25305-0300

**RE: Crab Orchard-MacArthur P.S.D.
Marsh Fork Sewer System**

Dear Ms. Pierce:

The Crab Orchard-MacArthur Public Service District, Raleigh County, is planning to extend their sanitary sewer system as outlined on the attached 1" = 2000' U.S.G.S. topographic map.

The proposed lines are expected to be constructed on West Virginia Department of Highways and private rights of way. These rights of way will be obtained as part of this project.

Dunn Engineers, Inc. requests that the Division of Culture and History review the project to determine any effects to cultural resources as required by the National Historic Preservation Act as amended. Please indicate whether any known historical, architectural, or archaeological sites listed on or eligible for inclusion in the National Register of Historic Places will be affected by this project.

Should you have any questions or require additional information, please contact our office. Your assistance is greatly appreciated.

Sincerely,

DUNN ENGINEERS, INC.

Edward G. Garbett II

EG:sz

Enclosure



**WEST VIRGINIA
DIVISION OF
CULTURE & HISTORY**

The Cultural Center
1900 Kanawha Blvd., E.
Charleston, WV
25305-0300

Phone 304.558.0220
Fax 304.558.2779
TDD 304.558.3562
www.wvculture.org

EEO/AA Employer

December 17, 2007

Mr. Edward G. Garbett, II
Dunn Engineers, Inc.
400 South Ruffner Rd.
Charleston, WV 25314

RECEIVED

JAN 09 2008

DUNN ENGINEERS, INC.

Re: Marsh Fork Sewer Line Extension
FR#: 08-170-RG

Dear Mr. Garbett:

We have reviewed the above referenced project to determine its effects to cultural resources. As required by Section 106 of the National Historic Preservation Act, as amended, and its implementing regulations, 36 CFR 800: "Protection of Historic Properties," we submit our comments.

It is our understanding that the project will extend sanitary sewer service to residents along Marsh Fork. A majority of the proposed lines will be placed in existing rights-of-way.

Architectural Resources

We can not complete our review with the information provided. Please provide the height and width for any above ground components as well as photographs of any buildings 50 years or older that will have a line-of-sight to the above ground components. We also request that the location of any buildings 50 years or older be keyed to a USGS map as well; however, we reserve the right to request Historic Property Inventory forms. If there are no architectural resources 50 years or older that will be directly impacted or that will have a line-of-sight to the above ground components of the project, please indicate that *in writing* to this office. We will provide further comments upon receipt of the requested information.

Archaeological Resources

Our records located no known archaeological sites within the proposed project area and several known archaeological sites within a one-mile radius. However, our records also indicate that the project area has not been subject to a Phase I survey. We will require some additional information in order to provide comment on the project's effects to archaeological resources. Please verify whether the Holly Hills wastewater treatment plant is existing or new construction. If the Holly Hills facility is new construction, please elaborate on all proposed ground disturbing activities. Project mapping illustrates a number of areas where line installation and support facility installation will

December 17, 2007

Mr. Garbett

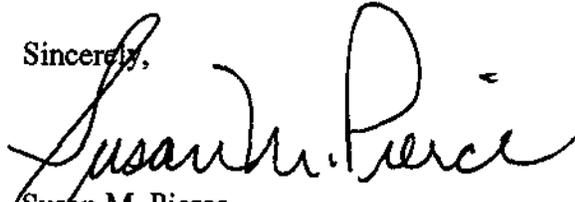
FR#: 08-170-RG

Page 2

occur outside of existing rights-of-way. Please provide photographs of the proposed package plant site, the proposed pump station sites, the Holly Hills plant site, and all areas where line installation work will occur outside of existing road rights-of-way. We will provide further comment upon receipt of the requested information.

We appreciate the opportunity to be of service. *If you have questions regarding our comments or the Section 106 process, please contact Shirley Stewart Burns, Historian, or Carolyn Kender, Archaeologist, in the Historic Preservation Office at (304) 558-0240.*

Sincerely,

A handwritten signature in cursive script that reads "Susan M. Pierce". The signature is written in black ink and is positioned above the typed name and title.

Susan M. Pierce

Deputy State Historic Preservation Officer

SMP/CMK/SSB

0402

FILE COPY



DUNN ENGINEERS, INC.

November 15, 2007

Ms. Susan M. Pierce
Deputy State Historic Preservation Office
West Virginia Division of Culture & History
1900 Kanawha Boulevard, East
Charleston, WV 25305-0300

**RE: Marsh Fork Sewer Line Extension
Crab Orchard-MacArthur P.S.D.**

Dear Ms. Pierce:

The Crab Orchard-MacArthur Public Service District is planning to extend sanitary sewer service to residents along Marsh Fork, near Trap Hill and Glen Daniel, Raleigh County, West Virginia.

A majority of the proposed lines will be constructed in existing road rights-of-way, residential and otherwise previously disturbed areas as shown on the attached drawings (0402-18A 1"=600' U.S.G.S. Topo and Aerial Photograph).

Dunn Engineers, Inc. requests that the Division of Culture and History review the project to determine any effects to Cultural Resources as required by the National Historic Preservation Act as amended. Our office requests a map showing known archaeological or architectural sites which may be affected by the project.

Should you have any questions, please do not hesitate to contact our office.

Sincerely,

DUNN ENGINEERS, INC.

Edward G. Garbett II

EG:tp

Enclosures

United States Department of Agriculture



NRCS

Natural
Resources
Conservation
Service

465 Ragland Road
Beckley, WV 25801

RECEIVED

~~OCT 20 2008~~

Edward G. Garbett II
Dunn Engineers, Inc.
400 South Ruffner Road
Charleston, WV 25314

DUNN ENGINEERS, INC

**RE: Prime Farmlands Review, Crab Orchard-MacArthur PSD,
Marsh Fork Sewer System, Raleigh Co., WV**

February 9, 2002

Mr. Garbett:

The above referenced project impacts acreage of Prime and Statewide Important Farmland. The total points in completed part VII, are just under 160, so the project does **not** qualify for protection under the Farmland Protections Policy Act, (FPPA).

There are hydric soils within the study area, map units At and Br.

If you have any further questions, please contact me anytime.

Sincerely,

Robert N. Pate

Robert N. Pate
Resource Soil Scientist
Robert.Pate@wv.usda.gov

cc: Ron Wigal

The U.S Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information, (Braille, large print, audiotape, etc.) should contact USDA's TARGET center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, 1400 Independence Avenue, SW, Washington DC 20250-9410, or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

FARMLAND CONVERSION IMPACT RATING

PART I (To be completed by Federal Agency)		Date Of Land Evaluation Request	10/8/08
Name Of Project	CRAB ORCHARD-MacARTHUR P.S.D.	Federal Agency Involved	U.S. ARMY CORPS OF ENGINEERS
Proposed Land Use	MARSH FORK SEWER SYSTEM	County And State	Raleigh COUNTY, WV

PART II (To be completed by NRCS)		Date Request Received By NRCS	
Does the site contain prime, unique, statewide or local important farmland? (If no, the FPPA does not apply -- do not complete additional parts of this form).		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
		Acres Irrigated	N/A
		Average Farm Size	142
Major Crop(s)	Hay	Farmable Land In Govt. Jurisdiction	Acres: 85,430 % 22.1%
Name Of Land Evaluation System Used	LESA	Name Of Local Site Assessment System	None
		Amount Of Farmland As Defined In FPPA	Acres: 85,430 % 22.1
		Date Land Evaluation Returned By NRCS	
		10/17/08	

PART III (To be completed by Federal Agency)		Alternative Site Rating			
		Site A	Site B	Site C	Site D
A. Total Acres To Be Converted Directly	5.0				
B. Total Acres To Be Converted Indirectly	0.0				
C. Total Acres In Site	5.0	2306	0.0	0.0	0.0

PART IV (To be completed by NRCS) Land Evaluation Information					
A. Total Acres Prime And Unique Farmland		96			
B. Total Acres Statewide And Local Important Farmland		134			
C. Percentage Of Farmland In County Or Local Govt. Unit To Be Converted		.003			
D. Percentage Of Farmland In Govt. Jurisdiction With Same Or Higher Relative Value		14.5%			

PART V (To be completed by NRCS) Land Evaluation Criterion					
Relative Value Of Farmland To Be Converted (Scale of 0 to 100 Points)		0	52	0	0

PART VI (To be completed by Federal Agency)		Maximum Points			
Site Assessment Criteria (These criteria are explained in 7 CFR 658.5(b))					
1. Area In Nonurban Use		12			
2. Perimeter In Nonurban Use		8			
3. Percent Of Site Being Farmed		15			
4. Protection Provided By State And Local Government		20			
5. Distance From Urban Builtup Area		10			
6. Distance To Urban Support Services		0			
7. Size Of Present Farm Unit Compared To Average		5			
8. Creation Of Nonfarmable Farmland		5			
9. Availability Of Farm Support Services		5			
10. On-Farm Investments		7			
11. Effects Of Conversion On Farm Support Services		10			
12. Compatibility With Existing Agricultural Use		10			
TOTAL SITE ASSESSMENT POINTS	160	107	0	0	0

PART VII (To be completed by Federal Agency)					
Relative Value Of Farmland (From Part V)	100	0	52	0	0
Total Site Assessment (From Part VI above or a local site assessment)	160	107	0	0	0
TOTAL POINTS (Total of above 2 lines)	260	107	159	0	0

Site Selected:	Date Of Selection	Was A Local Site Assessment Used?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
----------------	-------------------	-----------------------------------	------------------------------	-----------------------------

Reason For Selection:



DUNN ENGINEERS, INC.

October 09, 2008

Mr. Ron Wigal
NRCS
75 High Street
Room 301
Morgantown, WV 26505

**RE: Prime Farmlands Review
Crab Orchard-MacArthur P.S.D.
Marsh Fork Sewer System**

Dear Mr. Wigal:

The Crab Orchard-MacArthur Public Service District is planning to extend their sanitary sewer system to customers in the Marsh Fork - Trap Hill area of Raleigh County.

The project will be designed to serve existing residences and businesses in the area, as shown on the attached 1" = 2000' U.S.G.S. topographical map. The system will be comprised of gravity and force main sewers, force mains, pump stations, and a wastewater treatment facility. The project will also eliminate 4-6 wastewater package plants which are in various stages of disrepair. The proposed wastewater treatment facility will be located at the present site of one of the package treatment plants.

Presently, quantities and size of piping cannot be provided, as we are in the planning stage of this project. Location of proposed lines are approximate. Every practical means will be taken so as to adequately protect properties and farmlands.

Dunn Engineers, Inc. requests a review of the project relative to prime and important farmlands. Enclosed for your review and approval, please find one (1) each U.S.G.S. topographical map and Form AD-1006 (Farmland Conversion Impact Rating).

Should you have any questions or require additional information, please do not hesitate to contact our office. Your assistance is greatly appreciated.

Sincerely,

DUNN ENGINEERS, INC.

Edward G. Garbett II

EG:sz

Enclosure

U.S. Department of Agriculture

FARMLAND CONVERSION IMPACT RATING

PART I (To be completed by Federal Agency)		Date Of Land Evaluation Request 10/8/08			
Name Of Project CRAB ORCHARD-MacARTHUR P.S.D.		Federal Agency Involved U.S. ARMY CORPS OF ENGINEERS			
Proposed Land Use MARSH FORK SEWER SYSTEM		County And State BRAXTON COUNTY, WV			
PART II (To be completed by NRCS)		Date Request Received By NRCS			
Does the site contain prime, unique, statewide or local important farmland? <i>(If no, the FPPA does not apply -- do not complete additional parts of this form).</i>		Yes <input type="checkbox"/>	No <input type="checkbox"/>	Acres Irrigated	Average Farm Size
Major Crop(s)	Farmable Land In Govt. Jurisdiction Acres: %	Amount Of Farmland As Defined In FPPA Acres: %			
Name Of Land Evaluation System Used	Name Of Local Site Assessment System	Date Land Evaluation Returned By NRCS			
PART III (To be completed by Federal Agency)		Alternative Site Rating			
		Site A	Site B	Site C	Site D
A. Total Acres To Be Converted Directly		5.0			
B. Total Acres To Be Converted Indirectly		0.0			
C. Total Acres In Site		5.0 2306	0.0	0.0	0.0
PART IV (To be completed by NRCS) Land Evaluation Information					
A. Total Acres Prime And Unique Farmland					
B. Total Acres Statewide And Local Important Farmland					
C. Percentage Of Farmland In County Or Local Govt. Unit To Be Converted					
D. Percentage Of Farmland In Govt. Jurisdiction With Same Or Higher Relative Value					
PART V (To be completed by NRCS) Land Evaluation Criterion					
Relative Value Of Farmland To Be Converted (Scale of 0 to 100 Points)		0	0	0	0
PART VI (To be completed by Federal Agency)					
Site Assessment Criteria (These criteria are explained in 7 CFR 658.5(b))	Maximum Points				
1. Area In Nonurban Use	12				
2. Perimeter In Nonurban Use	8				
3. Percent Of Site Being Farmed	15				
4. Protection Provided By State And Local Government	20				
5. Distance From Urban Builtup Area	10				
6. Distance To Urban Support Services	0				
7. Size Of Present Farm Unit Compared To Average	5				
8. Creation Of Nonfarmable Farmland	5				
9. Availability Of Farm Support Services	5				
10. On-Farm Investments	7				
11. Effects Of Conversion On Farm Support Services	10				
12. Compatibility With Existing Agricultural Use	10				
TOTAL SITE ASSESSMENT POINTS	160	107	0	0	0
PART VII (To be completed by Federal Agency)					
Relative Value Of Farmland (From Part V)	100	0	0	0	0
Total Site Assessment (From Part VI above or a local site assessment)	160	107	0	0	0
TOTAL POINTS (Total of above 2 lines)	260	107	0	0	0
Site Selected:	Date Of Selection	Was A Local Site Assessment Used? Yes <input type="checkbox"/> No <input type="checkbox"/>			
Reason For Selection:					

Appendix C
Mailing List

**Section 340 Marsh Fork Wastewater Collection System
Draft Environmental Assessment
Mailing List**

Federal Agencies and Officials

Honorable Joe Manchin
United States Senate
300 Virginia Street, East Suite 2630
Charleston, West Virginia 25301

Honorable Jay Rockefeller
United States Senate
220 North Kanawha Street, Suite 1
Beckley, West Virginia 25801

Honorable Nick Rahall
Representative In Congress
District 3
109 Main Street
Beckley, West Virginia 25801

U.S. Environmental Protection Agency
Region IV, Atlanta Federal Center
61 Forsyth Street, SW
Atlanta, Georgia 30303-3104

USDA Natural Resources Conservation
Service
West Virginia State Office
465 Ragland Road
Beckley, West Virginia 25801

Ms. Deborah Carter, Field Supervisor
United States Fish and Wildlife Service
West Virginia Field Office
694 Beverly Pike
Elkins, West Virginia 26241

State Agencies and Officials

Honorable Earl Ray Tomblin
Governor of West Virginia
1900 Kanawha Boulevard, East
Charleston, West Virginia 25305

County Commission of Raleigh County
P.O. Box 2518
Beckley, West Virginia 25802

Ms. Susan Pierce
State Historic Preservation Office
The Culture Center, Capitol Complex
1900 Kanawha Blvd East
Charleston, West Virginia 25305

Barbara Sargent, Environmental Resource
Specialist
West Virginia Division of Natural Resources
P.O. Box 67
Elkins, West Virginia 26241

West Virginia Department of Environmental
Protection
Division of Water and Waste Management
601 57th Street
Charleston, West Virginia 25304

County Agencies and Officials

Marsh Fork Branch Library
9802 Coal River Road
Naoma, West Virginia 25140

Municipal Agencies and Officers

Honorable Emmett Pugh
Mayor of Beckley
409 South Kanawha Street
Beckley, West Virginia 25801

**Civil and Environmental Engineering
Consultants**

Edward Garbett II
Dunn Engineers, Inc.
400 South Ruffner Road
Charleston, West Virginia 25314

Appendix D

Hazardous, Toxic and Radioactive Wastes (HTRW)

CELRH-EC-CE (1110)

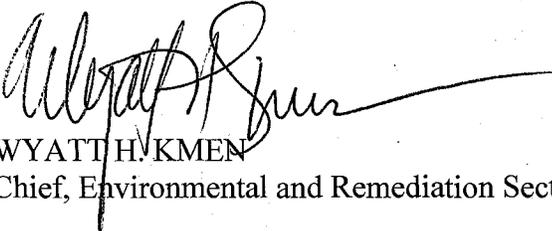
18 June 2012
Wolfe/5327

gw

MEMORANDUM FOR CELRH-PM-PP-P, ATTN: Steve Porter

SUBJECT: November 2011 Revised Limited Phase I Hazardous, Toxic, and Radioactive Waste (HTRW) Study for the Marsh Fork Wastewater Collection System, Raleigh County, WV

1. The revised report referenced above was reviewed by EC-CE and was determined to be acceptable. No further HTRW investigation is necessary at this time.
2. If you have any questions or further comments, please contact Janet Wolfe at x5327.


WYATT H. KMEN
Chief, Environmental and Remediation Section